Comprehensive Site Profile (Sum-8)

Hanford Site - Most Current Actual Data

Data Sources: Facility Information Management System - November 2003
EM Corporate - FY 2001 Update
Pollution Prevention - 2002
Materials in Inventory - 1996

Facility Status	Reported Number of Facilities
Operating	2
Operational Standby	0
Shutdown Pending Transfer	0
Shutdown Pending D&D	0
D&D in Progress	0
Operating Pending D&D	7
Operating Under an Outgrant	0
Transfer to Another Federal Agency	0
Sale	0
Demolished	0
Deactivation	0
Shutdown Pending Disposal	0
No Information Provided	0
Total	9

Radioactive Waste Summary - 2000 Actual Data

Waste Type	Starting Inventory (m3)*	Reporting Period Additions (m3)*			Reporting Period Disposition Quantity (m3)*			Ending Inventory (m3)
		New	Process Outputs	Receipts	Treatment	Disposal	Other	
High Level Waste	199,901.8970	975.697	11,024.303	0.000	5,070.000	0.000	0.000	206,831.90
High Level Waste-Vitrified	0.0000	0.000	0.000	0.000	0.000	0.000	0.000	0.00
Low Level Waste	180.0000	1,251.910	8,191.000	6,170.410	0.000	8,079.000	5,947.115	299.00
Mixed Low Level Waste	9,155.8630	1,223.748	1,788.000	0.000	1,106.000	666.000	1,079.397	7,676.58
Transuranic Waste	16,331.9960	114.740	19.690	0.000	0.000	18.690	157.499	16,408.04

The management activity of "Other" is calculated by adding the values for NPDES discharges, recycling, other processing, and return to remediation unit.

Material balance may not be reflected in some CID reports for 1999 and 2000 data because inventory adjustments have been in corporated in the Ending Inventories.

*** For Vitrified HLW, quantities are shown in "Number of HLW Canisters."**
HLW generation data in the CID includes waste volumes that are incidental to the reprocessing of HLW.

Ex-Situ Contaminated Media Summary - 2000 Actual Data

Waste Type	Starting Inventory (m3)*	Reporting Period Additions (m3)*	Reporting Period Dispositions (m3)*			Ending Inventory (m3)*
			Treatment	Disposal	Other	
Low Level Waste	0.0000	279,066.000	0.000	279,066.000	0.000	0.0000
Mixed Low Level Waste	0.0000	141.940	0.000	135.000	6.940	0.0000
Transuranic Waste	0.0000	9.250	0.000	0.000	9.250	0.0000

The management activity of "Other" is calculated by adding the values for NPDES discharges, recycling, other processing, and return to remediation unit.

Material balance may not be reflected in some CID reports for 1999 and 2000 data because inventory adjustments have been in corporated in the Ending Inventories.
HLW generation data in the CID includes waste volumes that are incidental to the reprocessing of HLW.

Reported quantities do not include Groundwater or Wastewater.

Spent Nuclear Fuel Summary - 2000 Actual Data

Material	SNF Amount to be Managed (MTHM)***				SNF Disposition Activity (MTHM)***			
	Starting Inventory	On-Site Generation	Off-Site Receipts	Total	On-Site Treatment	Ship to other DOE Site for Management/Storage	Ship for Final Disposition	Total
Spent Nuclear Fuel	2,135.1980	**0.6000**	**0.0000**	**2,135.7980**	0.0000	0.0000	0.0000	0.0000

***** SNF amounts are reported in metric tons of heavy metal (MTHM)**

Mass is not conserved (ie. Total SNF Amount to be Managed and Total SNF Final Disposition are not equal) because this report presents data for only one year in the stream lifecycle". The difference between Total SNF to Be Managed and Total SNF Final Disposition is the ending inventory for the current year shown on the report.

In-Situ Contaminated Media Summary - 2000 Actual Data

Waste Type	Reporting Year Management Strategy (m3)				Reporting Year Total Volume (m3)
	In-Situ Treatment	In-Situ Containment	Access/ Institutional Controls	No Action	
Low Level Waste	0.00	20,097,248.00	0.00	0.00	20,097,248.00

Reported quantities do not include Groundwater or Wastewater.

HLW generation data in the CID includes waste volumes that are incidental to the reprocessing of HLW.

Non-Radioactive Hazardous Waste

Classification	Waste Type	Amount (Metric Tons)
Hazardous	Non Routine RCRA	58.35
	Routine RCRA	6.69
	Non Routine State	2.80
	Routine State	0.42
	Non Routine TSCA	1.00
	Routine TSCA	0.00
Sanitary	Non Routine	131.69
	Routine	185.24
Total		386.19

Materials in Inventory (1996 Information Only)

Material Name	Material Category	Material Volume
Lead	Lead	39,662.00 Kilograms
Lead	Lead	1,095.00 Kilograms
Lead	Lead	326,748.00 Kilograms
Am-241	Plutonium	0.04 Kilograms
Lead	Lead	1,955.00 Kilograms
Plutonium	Plutonium	4,345.00 Kilograms
U-233>20%	Plutonium	0.09 Kilograms
Cm	Plutonium	0.01 Kilograms
Low Enriched Uranium	Natural & Enriched Uranium	3,023.00 Kilograms
Low Enriched Uranium	Natural & Enriched Uranium	667,118.00 Kilograms
Normal Uranium	Natural & Enriched Uranium	1,916.00 Kilograms
Normal Uranium	Natural & Enriched Uranium	2,166.00 Kilograms
Normal Uranium	Natural & Enriched Uranium	154,755.00 Kilograms
Depleted Uranium	Depleted Uranium	22,000.00 Kilograms
Depleted Uranium	Depleted Uranium	103,000.00 Kilograms

Depleted Uranium	Depleted Uranium	2,000.00	Kilograms
Lead	Lead	455.00	Kilograms
Lead	Lead	7,061.00	Kilograms
Lead	Lead	17,296.00	Kilograms
Sodium	Sodium	50,200.00	Gallons
Sodium	Sodium	41,365.00	Gallons
NaK	Sodium	600.00	Gallons
Normal Uranium	Natural & Enriched Uranium	860.00	Kilograms
Highly Enriched Uranium	Natural & Enriched Uranium	120.00	Kilograms
Highly Enriched Uranium	Natural & Enriched Uranium	127.00	Kilograms
Highly Enriched Uranium	Natural & Enriched Uranium	100.00	Kilograms
Carbon Steel	Scrap Metal and Equipment	1,848.00	Tons
Mixed Scrap	Scrap Metal and Equipment	416.00	Tons
Copper/Brass	Scrap Metal and Equipment	36.00	Tons
Stainless Steel	Scrap Metal and Equipment	216.00	Tons
Low Enriched Uranium	Natural & Enriched Uranium	1,745,658.00	Kilograms

Spent Fuel	Spent Nuclear Fuel	2,132,868.00	Kilograms
Deuterium	Plutonium	300.00	Kilograms
Am-243	Plutonium	0.01	Kilograms
NaK	Sodium	110.00	Gallons
Highly Enriched Uranium	Natural & Enriched Uranium	43.00	Kilograms